











Repository Resources

1. Code Repositories

1. Primary





Bitbucket https://bitbucket.org/	
Code Ocean https://codeocean.com/	 CODE OCEAN
Docker Hub https://hub.docker.com/	 docker
GitHub https://github.com/	 GitHub

2. Secondary



Assembla https://www.assembla.com/home/	 ASSEMBLA
CloudForge http://www.cloudforge.com/	
LaunchPad https://launchpad.net/	
ProjectLocker http://projectlocker.com/	
Sourceforge https://sourceforge.net/	SOURCEforge

2. Data-type Agnostic Repositories

1. Primary






Dataverse https://dataverse.harvard.edu/	The Dataverse Project 
dbGaP https://www.ncbi.nlm.nih.gov/gap	
Dryad http://datadryad.org/	
Figshare https://figshare.com/	

2. Secondary

DataONE https://www.dataone.org/	
PANGAEA https://www.pangaea.de/	

3. Biomedical Data-specific Repositories



1. Sequencing Databases

EMBL http://www.ebi.ac.uk/	
ENA http://www.ebi.ac.uk/ena	
GOLD https://gold.jgi.doe.gov/	
NCBI Genome Database https://www.ncbi.nlm.nih.gov/genome/	
SRA https://www.ncbi.nlm.nih.gov/sra	

2. Gene Expression




ArrayExpress https://www.ebi.ac.uk/arrayexpress/	
BioGPS http://biogps.org/	
Gene Expression Omnibus https://www.ncbi.nlm.nih.gov/geo/	
GTEx Portal https://www.gtexportal.org/home/	
SAGE http://www.sagenet.org/	

3. Protein Structure Databases

CATH http://www.cathdb.info/	
PDB https://www.wwpdb.org/	




<p>PRIDE</p> <p>https://www.ebi.ac.uk/pride/archive/</p>	
<p>SCOP</p> <p>http://scop.mrc-lmb.cam.ac.uk/scop/</p>	

4. Proteomics Databases





<p>jPost</p> <p>http://jpostdb.org/</p>	
<p>MassIVE</p> <p>http://massive.ucsd.edu/ProteoSAFe/static/massive.jsp</p>	
<p>Peptide Atlas</p> <p>http://www.peptideatlas.org/</p>	

5. Pathway Databases

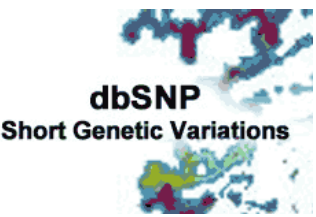





<p>GO</p> <p>http://www.geneontology.org/</p>	
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<p>KEGG</p> <p>http://www.genome.jp/kegg/pathway.html</p>	
<p>MetaCyc</p> <p>https://metacyc.org/</p>	
<p>SEED</p> <p>http://www.theseed.org/wiki/Main_Page</p>	

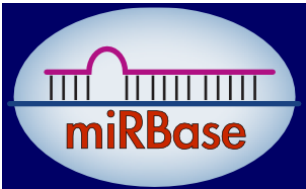
6. Regulatory Databases



<p>CisRED</p> <p>http://www.cisred.org/</p>	
<p>JASPAR</p> <p>http://jaspar.genereg.net/</p>	
<p>ORegAnno</p> <p>http://www.oreganno.org/</p>	
<p>Transfac</p> <p>http://genexplain.com/transfac/</p>	

7. Variant Databases






dbSNP https://www.ncbi.nlm.nih.gov/projects/SNP	
dbVar https://www.ncbi.nlm.nih.gov/dbvar *Phasing out 9/1/17	
DGV http://dgv.tcag.ca/dgv/app/home	
DGVA http://www.ebi.ac.uk/dgva	
European Variation Archive http://www.ebi.ac.uk/eva/	
HGVD http://www.hgvd.genome.med.kyoto-u.ac.jp/	
OMIM https://www.omim.org/ https://www.ncbi.nlm.nih.gov/omim	

8. Micro-RNA Databases




miRBase http://www.mirbase.org/	
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miRDB http://www.mirdb.org/	
miRTarBase http://mirtarbase.mbc.nctu.edu.tw/	
TargetScan http://www.targetscan.org/vert_71/	




9. Interaction Databases

BIND http://http://binddb.org	
BioGRID https://thebiogrid.org/	
DIP http://dip.doe-mbi.ucla.edu/dip/Main.cgi	
IntAct http://www.ebi.ac.uk/intact/	
MINT http://mint.bio.uniroma2.it/	




10. Single Cell Sequencing Databases

<p>awesome-single-cell</p> <p>https://github.com/seandavi/awesome-single-cell</p>	
<p>Jingle Bells</p> <p>http://jinglebells.bgu.ac.il/</p>	 <p>JingleBells</p>
<p>Novogene</p> <p>https://en.novogene.com/</p>	
<p>scRNASeqDB</p> <p>https://bioinfo.uth.edu/scrnaseqdb/</p>	
<p>The Lair</p> <p>http://pachterlab.github.io/lair/</p>	

11. Metabolomics Databases

<p>GNPS</p> <p>http://gnps.ucsd.edu/ProteoSAFe/static/gnps-splash.jsp</p>	
<p>MetaboLights</p> <p>http://www.ebi.ac.uk/metabolights/</p>	
<p>Metabolomics Workbench</p> <p>http://www.metabolomicsworkbench.org/</p>	

12. Epigenetics Databases

<p>DeepBlue</p> <p>http://deepblue.mpi-inf.mpg.de/</p>	
<p>IHEC Data Portal</p> <p>http://epigenomesportal.ca/ihec/</p>	
<p>ROADMAP Epigenomics</p> <p>http://egg2.wustl.edu/roadmap/web_portal/</p>	
<p>The Epigenome Atlas</p> <p>http://www.genboree.org/epigenomeatlas/index.rhtml</p>	